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5. A Case Study in Embedded Systems Design: An Engine Control Unit

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10. [28 Current Design Practice and Needs in Selected Sectors](#)

Every node (also called electronic control unit, **ECU**) in such a network is .... **Software Co-Design**," in **Hardware/Software Co-Design**, Kluwer Academic Pub- ...

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control, and the **user interface**; and 3) a tracker for localizing .... known state of its **state machine** (1). CLIENT then makes a **request** for service (2) via ...

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**process** then enters information into the trip **request** portion of. the database. .... designed for the **user/vehicle interface** and for the ...

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Moreover, the link 22 includes a **request** status (RSSTATE) **state machine** 60 .... If, on the other hand, a **transition** is not present, the link 22 remains in ...

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Each **transition** in the RSML **state-machine** model has a source, destination, ..... lead to a **request** for the **vehicle** to change lanes when it should not. ...

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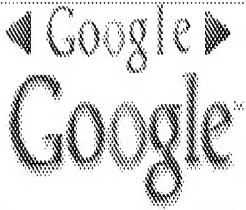
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Thus most embedded systems support **state machine** based **design** where multiple ... to **design** dozens of systems, including a softkey-based **user** interface, ...

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Users are supported to **design state machine**. diagrams not requiring the C# programming knowledge. ... The **transition** property pop-up **window** can be called by ...

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The **User-Programmable Model**: This machine allows the **car** owner to enter a ... point out your **state transition** diagram and why you chose a particular **design**, ...

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This lab provides you with a **design** methodology that will be useful in .... logic analyzer pins, **user input/output** pins, audio video capabilities, etc. ...

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They are also the paradigm of choice for software compiler **design** and ... In deterministic finite state machines for a given **input**, one **transition** can be ...

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However, if I click Play and have a **state machine design**, the application knows it's in a Play state and will require the **user** to **transition** first to the ...

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Question: What happens if **user** presses "OK" when **transition** not enabled? CSE 335 : Software **Design**. E. Kraemer. guard condition ...

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Model-based **design** reduces time-to-market by ensuring throughout the ... the **window** has been formulated in Stateflow using a finite **state machine** as shown ...

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5. LNCS 4680 - A Concept for a Safe Realization of a **State Machine** in ...

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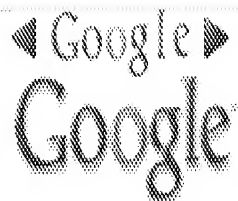
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2. [Rollover determining apparatus and methods - Patent EP1219500](#)

Subsequently in S620, the CPU 10a determines which region in a mode discrimination **map** indicated in FIG. 7 contains a present **state** of the **vehicle** ( a point ...

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frame and the second between the intermediate frame and the body of the **vehicle**. dressing of poles. attachment of **hardware** and accessories to poles ...

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1. **Vehicle** system for travel guidance of intersections - Patent 6278943

The **vehicle** navigation system **electronic control unit** of claim 17, wherein said supplementary guidance is given for a plurality of **nodes** which follow said ...

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2. **Car** navigation system prioritizing automatic travel road - Patent ...

Apr 18, 2006 ... A **car** navigation system comprising: road **map** data including **node** .... 1 are connected with a navigation ECU (**Electronic Control Unit**) 8, ...

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3. **Vehicle** position information providing devices, methods, and ...

[0021]The probe **car** 4 is a **vehicle** running on each road in the nation, .... **node** data relating to **node** points, **map** display data for displaying a **map**, ...

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collection point, referred to as a **node**, located along a **vehicle** to act as the data .... create a field application **map** (Fig. 7). The field application **map** ...

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5. (WO/2004/038676) NAVIGATION SYSTEM AND CONTROLLING METHOD FOR THE ...

In case a **vehicle** deviates from a navigation path, the navigation system .... using the path data and a **map** structure comprising links, **nodes** and the like. ...

[www.wipo.int/pctdb/en/wo.jsp?IA=KR2003002200&DISPLAY=DESC](http://www.wipo.int/pctdb/en/wo.jsp?IA=KR2003002200&DISPLAY=DESC) - 43k - [Cached](#) - [Similar pages](#)

6. . OSEK/VDX Network Management - OSEK/VDX Open Systems in ...

In a **vehicle** a networked ECU or **node** is expected to provide certain features: .... logical ring with respect to **automotive** conditions are characterized by ...

[ieeexplore.ieee.org/iel4/6010/16060/00744166.pdf?arnumber=744166](http://ieeexplore.ieee.org/iel4/6010/16060/00744166.pdf?arnumber=744166) - [Similar pages](#)

by C Hoffmann - 1998

7. TOWARDS DYNAMIC LOAD BALANCING FOR DISTRIBUTED EMBEDDED **AUTOMOTIVE** ...

**automobile**. If pressing a brake pedal is detected at the sensor **node**, ... tributed system the Registries of each **vehicle** ECU (**Electronic Control Unit**) ...

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The exterior look of the **car** is expressed to a large extent by the headlights developed by **Automotive** Lighting in its plant in Venaria Reale (Turin), ...

[www.italiaspeed.com/new\\_models/2005/alfa\\_romeo/alfa\\_159/contribution.html](http://www.italiaspeed.com/new_models/2005/alfa_romeo/alfa_159/contribution.html) - 20k - [Cached](#) - [Similar pages](#)

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DeviceNet, CAN Open, CAN Kingdom and the J1939 **automotive** standard. CAN Open .... In J1939 each CAN **Node** is referred to as an **Electronic Control Unit** (ECU). ...

[www.rtaautomation.com/devicenet/serial/RTAFastGuidetoCANApplicationLayers.pdf](http://www.rtaautomation.com/devicenet/serial/RTAFastGuidetoCANApplicationLayers.pdf) - [Similar pages](#)

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